

SuperTweeter ST100

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The Tannoy SuperTweeter provides an increased immediacy, airiness and impact making music more true to life

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ST100 SUPERTWEETER

The SuperTweeter is designed to provide the extended high frequency response demanded by modern programme material and sources (e.g. SACD / DVDA), which have driven the requirement for loudspeakers with extended frequency bandwidth performance. Always at the forefront of audio evolution, Tannoy has been developing just such wide bandwidth loudspeaker technology over many years.

Music contains transient information and rich harmonics beyond the range of human hearing for pure tones. Even bass notes have leading edge transients reaching 30kHz. Operating between the roll-off point of the high frequency unit of your existing loudspeakers and 54kHz,

the Tannoy SuperTweeter will accurately reproduce the leading edge of individual notes allowing the listener to experience the entire bandwidth information of instruments.

In addition, by extending the frequency response by two octaves corrects time and phase response within the bandwidth of normal human hearing. Taking these acoustical phase anomalies beyond the range of human hearing adds realism to the soundstage by improving imaging and placement of instruments.

The SuperTweeter provides an increased immediacy, airiness and impact - making music sound more natural and true to life.

TECHNICAL SPECIFICATION

PERFORMANCE

Recommended amplifier power	Up to 250 Watts
Power rating to DIN IEC 268	135 Watts RMS 550 Watts Peak
Maximum sensitivity (2.83v @ 1m)	95dB
Nominal impedance	8 ohms
Frequency response (-6dB)	To 54kHz, usable output (-18dB) to 100kHz
Driver type	25mm 25 micron titanium dome, 24 carat vapour deposited gold finish with neodymium magnet
Crossover type	3rd order compensated high pass
Crossover frequency	14, 16, or 18kHz adjustable
Level adjustment	87dB, 89dB, 91dB, 93dB, 95dB
Dimensions mm (inches)	150 (6) diameter
Weight kg (lbs)	6.5 (14.3)
Finish	Black Ash

Features: High stiffness titanium dome to minimise effects of dome break-up and extend frequency response • Copper clad aluminium voice coil on aluminium former for high power handling • Neodymium magnet system also extends frequency response by minimising eddy current losses in voice coil • Provision for driver magnet system earthing (as in Tannoy Prestige HE series), to avoid interference and information masking caused by radio interference • High purity (99.999%) solid silver internal wiring, PTFE coated dielectric • Gold plated terminals, adjustment screws and circuit board for high signal transparency • Radio Frequency quality inductors in crossover for excellent high frequency characteristics • Non-Inductive Planar Thick Film resistors on ceramic substrates, to avoid loss associated with wirewound types • High quality polycarbonate film capacitors, selected for high frequency use • Unique Tannoy Performance Platform TM, gives stable support and accurate variable adjustment

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